

# Coke Battery Vent Ignitor Systems

ChemTech Consultants, Inc. designed and installed the first high technology vent ignitor system at the U.S. Steel-Clairton, PA facility in 1989.

Since that initial installation, ChemTech has designed, constructed and installed vent ignitor systems on active coke batteries throughout the U.S., including twenty-four (24) flares at the USS-Clairton facility.

The ChemTech vent ignitor systems have proven to be a safe and reliable method of destroying emergency releases of crude coke oven gas. The flares are designed to comply with the newest amendments to the Clean Air Act.

ChemTech is continually providing engineering services to various steel and coke-making facilities. Some of our clients include:

U.S. Steel-Clairton, PA (24)  
U.S. Steel-Gary, IN (10)  
LTV Steel-Pittsburgh, PA (10)  
LTV Steel-Warren, OH (2)  
Wheeling-Pittsburgh Steel (7)  
Empire Coke (2)  
New Boston Coke (1)



*Modern high technology coke oven gas vent ignitors have been in active service on U.S. coke batteries for over five years.*

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19 20

## Design & Engineering Services

- Total flare system process design
- Control sequencing
- Structural integrity
- Construction supervision
- Commissioning/start-up
- Feasibility studies
- Flare system retrofit
- Finite element analyses
- Thermal radiation modeling
- Radiation shielding
- Flare relocation
- Flare control system engineering
- Flare installation
- Equipment specifications
- Construction bid packages
- Operating personnel training
- Installation inspections/reviews
- Operation performance studies

Coke oven vent ignitors are the most cost effective air emission reductions technique available for coke batteries.

For more information, contact:

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